

ABSTRACT

[0052] A method of calibrating and displaying images on a calibrated objective in autosteroscopy and other areas. Calibration includes receiving the objective over a raster-organized surface having both image display and image acquisition modalities, positioning a calibration model in a position before the system in preparation for acquiring images, receiving images of the calibration model onto raster-organized surface in an acquisition mode, identifying optical characteristics of objective through reference images of the calibration model. In addition, the method of displaying images using an objective includes receiving the objective over a raster-organized surface having both an image display and an image acquisition modalities, loading a calibration vector corresponding to the objective that compensates for optical characteristics of the objective and displaying images through the raster organized surface and objective compensated in accordance with the calibration vector for the objective.